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UNITED STATES DEPARTMENT OF AGRICULTURE  
(U.S. Agricultural Marketing Administration)  
57 Washington, D. C.

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PROPOSED STANDARDS FOR WISCONSIN TOBACCO, - TYPES 54 AND 55  
(Revised March 3, 1942)  
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Based on further investigations and a study of various criticisms and suggestions received from growers and members of the trade, certain changes have been made in the proposed grades for Wisconsin tobacco. The grades apply only to the packings of tobacco as ordinarily prepared for sale and delivery by growers, and they do not apply to tobacco which has been reworked, cleaned, and sized by the trade.

The plan and specifications for grading Unsorted Binder Packings are shown on page 2. In applying these grades, an official inspector will first determine the percent of leaves in a packing which will meet the specifications of each kind of binder, namely, "Superior Binder", "Medium Binder", and "Inferior Binder", as well as the percent of under-size or non-binder leaves, designated as "Throw-out". After the percent of leaves in each of the four divisions has been determined, a grade will be assigned to the packing according to the percent that each bears to the whole. The percentages may be determined from a representative sample drawn by an official inspector.

Pages 3 and 4 cover the proposed grades for Strippers, Crop-run, and Farm Fillers. It will be noted that upper plant leaves which do not meet the minimum specifications of B5M, but which are suitable for making long strips, are classified in the C group and designated as "Strippers". It will also be noted that the term "Crop-run" is used to designate packings which consist of all leaves of the plant with the exception of Trash and other very inferior leaves.

PERSONS RECEIVING THIS REVISED COPY OF THE PROPOSED GRADES ARE REQUESTED TO NOTE ON THE COPY ANY FURTHER SUGGESTIONS OR CHANGES WHICH THEY WOULD RECOMMEND AND RETURN THEM TO US.

March 1942



# PROPOSED STANDARDS FOR WISCONSIN TOBACCO - TYPES 54 AND 55

## GRADES FOR UNSORTED BINDER PACKINGS (B-GROUP) (Unsize and untied Sorting Tobacco)

B Group Specifications: All grades of the B group shall be clean, sound, firm, and strong; and shall be free of green, unripe, short, narrow, heavy body, close weave, and frosted or frozen leaves. General tolerance, 8% brokes.

As a basis for grading unsorted binder packings, three general qualities of binders are recognized and defined, as follows:

Superior Binder shall consist of leaves which are silky, elastic, oily, ripe, spready, over 21" long, and uniform in quality; and which shall be of fine texture, tissuey to thin body, open weave (open grain), and of a light to medium brown color; and which shall have a free burn, a bright finish, and small and blending veins. Tolerance, 4% injury.

Medium Binder shall consist of leaves which are fairly silky, elastic, oily, ripe, spready, over 19" long, harmonizing in quality; and which shall be of good texture, fairly thin body, open weave (open grain), and of a light to medium brown color; and which shall have a good burn, a clear finish, and small to medium size and emerging veins. Tolerance, 8% injury.

Inferior Binder shall consist of leaves which are smooth, fairly elastic, fairly oily, fairly ripe, normal width, over 17" long, unmingled in quality; and which shall be of fair texture, medium to fleshy body, fairly open weave (grain); and which shall have a fair burn, fairly clear finish, and small to medium size veins. Tolerance, 12% injury.

Unsorted binder packings shall be graded according to the percent of Superior, Medium, and Inferior binder leaves and Throw-out, including under-size leaves, found in a representative sample of a packing, as follows:

		: Specifications Based on Percentage of Yield				
U. S.:	Grade	: Minimum	: Minimum	: Minimum	: Throw-out &	
		: Superior	: Med. Binder	: Inf. Binder	: Under-size	
Grade:	Description	: Binder	: or better	: or better	: Tolerance	
	: Choice Quality Un-	:	:	:	:	
B1M	: sorted Binder Packing	: 52%	: 28%	: 12%	: 8%	
	: Fine Quality Unsorted	:	:	:	:	
B2M	: Binder Packing	: 28%	: 40%	: 20%	: 12%	
	: Good Quality Unsorted	:	:	:	:	
B3M	: Binder Packing	: ---	: 52%	: 28%	: 20%	
	: Fair Quality Unsorted	:	:	:	:	
B4M	: Binder Packing	: ---	: 20%	: 52%	: 28%	
	: Low Quality Unsorted	:	:	:	:	
B5M	: Binder Packing	: ---	: ---	: 60%	: 40%	

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STRIPPER GRADES (C-GROUP)

(Unsize and untied Binder Pickers and non-binder  
upper-plant leaves with Farm Fillers and Trash out)

C Group Specifications: All grades of the C group shall be clean, sound, over 16" long; shall be stemable into long strip suitable for low-grade binder pickers, long fillers, or other purposes requiring the use of whole strip; and shall be free of farm fillers, trash, crude, and frosted or frozen leaves, within a combined tolerance of 4%.

U. S.	GRADE DESCRIPTION, SPECIFICATIONS, AND TOLERANCE
Grade	

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|-----|--|
| C1M | Choice Quality Strippers. Fairly smooth, fairly oily, ripe, firm, fleshy to medium body, normal strength, fairly clear finish, unmingled in quality. Tolerance, 4% green, 12% injury, and 16% under-size leaves. |
| C2M | Good Quality Strippers. Unrough, fairly ripe, fairly firm, medium to heavy body, normal strength and finish, unmixed in quality. Tolerance, 8% green, 24% injury, and 32% under-size leaves.                     |
| C3M | Fair Quality Strippers. Free of rough, immature, tender, and soggy leaves. Tolerance, 12% green, 36% injury, and 48% under-size leaves.  |

CROP-RUN GRADES (X-GROUP)

(Unsize and untied Stemming, stripped straight,  
with Farm Fillers in and Trash out)

X Group Specifications: All grades of the X group shall be clean and sound. The combined tolerance of trash, crude, and frozen or frosted leaves must not exceed 4% on X1 or X2, 8% on X3, 12% on X4, and 20% on X5.

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|----|---|
| X1 | Choice Quality Crop-run. General quality of C1M, stripped straight and containing crop-run of farm fillers not exceeding 16%. |
| X2 | Good Quality Crop-run. General quality of C2M, stripped straight and containing crop-run of farm fillers not exceeding 24%.   |
| X3 | Fair Quality Crop-run. General quality of C3M, stripped straight and containing crop-run of farm fillers not exceeding 36%.   |

BADLY INJURED CROP-RUN

- |    |   |
|----|---|
| X4 | Low Quality Crop-run. Packing containing an abnormal amount of badly injured leaves, green, or farm fillers not exceeding a combined tolerance of 48%.  |
| X5 | Poor Quality Crop-run. Packing containing an abnormal amount of badly injured leaves, green, or farm fillers not exceeding a combined tolerance of 60%. |

PROPOSED STANDARDS FOR WISCONSIN TOBACCO - TYPES 54 AND 55

FARM FILLER GRADES (Y-GROUP)

(Unsize and untied Ground leaves with Trash out)

Y Group Specifications: All grades of the Y group shall be sound and normally free of dirt and other foreign matter. The combined tolerance of trash, crude, dead, and frosted or frozen leaves must not exceed 8% on Y1, 12% on Y2, and 20% on Y3.

U. S. GRADE DESCRIPTION, SPECIFICATIONS, AND TOLERANCE  
Grade

- Y1 Choice Quality Farm Fillers. Clean, fairly smooth, thoroughly ripe, thin body, light color, fairly firm, fairly uniform quality. Must not include crop-run tobacco, but may include throw-out leaves from B3M or better packings.
- Y2 Good Quality Farm Fillers. Fairly clean. Must not include crop-run, but may include throw-out leaves from B5M, C2M, or better packings.
- Y3 Poor Quality Farm Fillers. Fairly clean. Must not include crop-run, but may include throw-out leaves from C3M packings.

GENERAL SPECIFICATIONS FOR ALL GRADES ABOVE NONDESCRIPT

All grades of the B, C, X, and Y groups shall be clean, sound, and thoroughly cured tobacco in safe keeping order (case), and free of wet, crude, dead, trash, and frosted or frozen leaves, except as authorized as a tolerance or indicated by a special factor approved for the purpose. Each lot or packing, except nondescript, shall be of the same crop, type, form, and condition to which a single grade will apply. Tobacco should be packed straight in bundles or cases of normal weight, size, and shape with the butts or heads out and tails overlapping sufficiently to make a level, solid, and uniform pack. When packed in bundles, the sides should be completely covered with paper or other suitable protective material and tightly bound with not less than three large twines spaced so that the tobacco will be held securely together. Improperly packed tobacco shall be graded lower than it would be if properly packed, since such tobacco may not sweat or age properly and may damage or be injured in handling or storage.

NONDESCRIPT (N-GROUP)

N Nondescript, as defined, including Trash and tobacco under X5 and Y3.

SPECIAL FACTORS AUTHORIZED

B - Binder picker

W - Wet or high case

G - Green, frosted or frozen

U - Unsound

The special factor "B" may be used after C1M to indicate that a packing contains 40% or more binders. The special factor "G" shall be used with any grade of the C, X, or Y groups which contains 4% or more frosted or frozen tobacco or which exceeds the tolerance of green. The special factor "W" shall be used with any grade when in the inspector's opinion the tobacco is wet or in doubtful keeping order. The special factor "U" shall be used with any grade which is unsound, but not 20% damaged.

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PROPOSED STANDARDS FOR FILLER AND BINDER TYPES

(Revised March 3, 1942)

DEFINITIONS

In order to establish standards which may be applied consistently, it is necessary to define or restrict the meaning of certain terms so that they will be clearly understood wherever the standards are used. In connection with the standards which are being prepared for filler and binder types, the following definitions are being submitted for your comments and suggestions:

Aircured. Tobacco cured under natural atmospheric conditions without the use of fire, except for the purpose of preventing pole-burn in damp weather.

Airdried (Unsweeted). The condition of unfermented tobacco as customarily prepared for storage under natural atmospheric conditions by rehangng or re-bulking in well-ventilated houses after it is cured and stripped.

Body. The thickness and density of leaf or weight per unit of surface.

Broke. Any leaf of the Binder group that has been partly injured for Binder purposes so that the leaf will make one or more but not the normal number of Binders.

Class. A major division of tobacco based on characteristics caused by varieties, soils, or climatic conditions, and the method of cultivation, harvesting, or curing.

Clean. Normally free of dirt and other foreign matter.

Condition. The state of tobacco in storage, or in relation to its preparation for storage, with reference to its manner of preparation or its degree of fermentation, such as Unsweeted (or Undried or Airdried), Sweating, Sweated, and Resweated.

Crude. Any very immature leaf of which one-fifth or more of its surface has a positive green color; or any tobacco containing 20% or more crude leaves.

Cured. Tobacco dried of its sap by either natural or artificial processes.

Damage. The effect of mold, must, rot, black-rot, or other fungous or bacterial diseases which attack tobacco in its cured state, including tobacco having the odor of mold, must, or rot.

Decayed. Damaged to the extent of 20% or more.

Foreign matter. Any substance or material extraneous to tobacco, including dirt, sand, stalks, suckers, straw, chaff, strings, et cetera.

Form. The stage of preparation of tobacco, such as Unstemmed and Stemmed.

Grade. A subdivision of a type according to group and quality, and according to color when it is of sufficient importance to be treated as a separate factor.

Green (G). Any leaf of which one-fifth or more of its surface is predominantly green in color; or any tobacco containing 20% or more green leaves; or any tobacco which is not crude, but which contains 20% of green and crude combined.

030342W

PROPOSED STANDARDS FOR FILLER AND BINDER TYPES

DEFINITIONS (Cont'd.)

Greenish (V). Any fairly ripe leaf of which one-fifth or more of its surface has a decided tinge of green; or any tobacco which contains 20% or more greenish leaves; or any tobacco which is not green, but which contains 20% or more of greenish and green combined.

Group. A division of a type covering several closely related grades based on the general quality of the tobacco, including body, the percentage of injury, and other characteristics.

Injury. Hurt or impairment from any cause except damage. Injured tobacco shall include dead, burnt, hail-cut, or ragged tobacco; or tobacco that has been torn or broken, frozen or frosted, sunburned or scalded, scorched or fire-killed, bulk-burnt or steam-burnt, pole-burnt or house-burnt, bleached or bruised; or tobacco containing discolored or deformed leaves; or tobacco hurt by insects; or tobacco having an odor foreign to the type; or tobacco affected by wild-fire, rust, frog-eye, mosaic, frenching, sand-drown, or other similar diseases.

Lot. A bundle, case, bale, bulk, package, or other definite unit.

Mixed (in color). A lot or packing of tobacco which is not green or crude and which contains 32% or more leaves of distinctly different color from the run of the lot, including variegated leaves unless such leaves are indicated by a special factor.

Mixed (in quality). A lot or packing of tobacco which contains 32% or more leaves of distinctly different group or quality from the run of the lot.

Nested. Any lot of tobacco which has been so loaded, packed, or arranged as to conceal foreign matter or tobacco of inferior grade, quality, or condition, including lots of tobacco which contain damaged, injured, tangled, or other inferior tobacco which cannot be readily detected upon inspection on account of the way the lot was packed or arranged.

Nondescript (N). Tobacco which does not meet the minimum specifications of any other group, grade, or subgrade, including Crop-run tobacco under X5, Farm fillers under Y3, and Farm Trash; or crude, decayed, or nested tobacco; or muddy or extremely dirty tobacco; or tobacco containing an unusual amount of foreign matter; or uncured tobacco; or very inferior lots of tobacco of a quality which is not ordinarily marketed; or tobacco having characteristics distinctly foreign to the type.

Order (Case). The state of tobacco with respect to its moisture content.

Package. A bundle, case, or other securely enclosed parcel.

Packing. A lot of tobacco consisting of a certain number of packages submitted for sampling or inspection as one definite unit and represented to contain the same grade and kind of tobacco and having a common identification number or mark on each package.



DEFINITIONS (Cont'd.)

Quality. A division of group, forming the second factor of a grade, based upon the relative degree of one or more of the elements of quality in tobacco, construed in relation to the type as a whole unless otherwise specifically restricted as in the element "Color shade" which is restricted to a given color.

Resweated. The condition of tobacco which has passed through a second fermentation under abnormally high temperatures, or refermented with a relatively high percentage of moisture, including tobacco which has been dipped or reconditioned after its first fermentation and put through a forced or artificial sweat.

Side. Any distinct characteristic of tobacco; or a certain phase of quality, color, or length as compared with some other phase of quality, color, or length.

Size. The length of tobacco leaves.

Sizing. The act of sorting tobacco with respect to length.

Soggy. Non-elastic, spongy, and porous tobacco, low in oil, and having a very absorptive nature.

Sound. Free of damage.

Special Factor. A symbol or term authorized to be used with specified grades to designate a certain side or characteristic of importance, varying from or not covered by the specifications of the grades.

Stem. The midrib of a tobacco leaf.

Stemmed. A form of tobacco from which the stems or midribs have been removed, including both strips and strip-scrap.

Stems. A tobacco by-product composed of the midribs of tobacco leaves.

Strips. The sides of tobacco leaves from which the stems have been removed.

Strippers (C). Tobacco of normal size for the type which is sufficiently firm, strong and free of injury to be made into whole strips suitable for long fillers or binder pickers or for other purposes requiring the use of whole strips.

Subgrade. Any grade modified by a special factor or subgroup symbol.

Subgroup. A group formed by the substitution of a different group symbol to denote a modification of the specifications or to indicate a certain side or characteristic of the tobacco.

Sweated. The condition of tobacco which has passed through one or more fermentations natural to tobacco packed with a normal percentage of moisture.

Sweating. The condition of tobacco in the process of fermentation.

DEFINITIONS (Cont'd.)

Throw-out. Badly injured, short length, or relatively inferior quality leaves which have been or are to be removed from a lot or packing of higher grade in order to improve its general quality and uniformity.

Type. A division of a class of tobacco having certain common characteristics and closely related grades. Tobacco which has the same characteristics and corresponding qualities, colors, and lengths, shall be treated as one type, regardless of any factors of historical or geographical nature which cannot be determined by an examination of the tobacco.

Type 54. That type of cigar-leaf tobacco commonly known as southern Wisconsin cigar-leaf, or southern Wisconsin binder type; and produced principally south and east of the Wisconsin River.

Type 55. That type of cigar-leaf tobacco commonly known as northern Wisconsin cigar-leaf, or northern Wisconsin binder type; and produced principally north and west of the Wisconsin River, and to some extent in Minnesota.

Under-size. Tobacco which is shorter than the minimum size established for a particular group or grade of a type.

Undried (Unsweeted). The condition of unfermented tobacco which has not been airdried.

Uniformity. One of the elements of quality in tobacco having reference to the consistency of a lot with respect to other elements of quality or color. The following are the specifications for the several degrees of uniformity showing for each degree the percentage of a lot that may be of a distinctly different group, quality, or color from the run of the lot; (a) Uniform, less than 8%; (b) Harmonizing, less than 12%; (c) Unmingled, less than 20%; (d) Mingled or Unmixed, less than 32%; and (e) Mixed, over 32%. When uniformity with respect to quality is specified it also includes uniformity with respect to group, but when uniformity with respect to color only is specified it does not include uniformity with respect to group or quality.

Unsound (U). Damaged under 20%.

Unstemmed. A form of tobacco from which the stems or midribs have not been removed, including both whole-leaf and leaf-scrap.

Unsweeted. See Airdried and Undried.

Variegated (K). Having a diversity of contrasting colors or tints within a leaf; including leaves which are gray, mottled, bleached, or stained; or leaves which do not blend with the normal colors of the type.

Wet or High-case (W). Any sound tobacco containing excessive moisture to the extent that it is in an unsafe or doubtful keeping state for the condition or purpose the tobacco is to be used, handled, or stored. Wet shall apply to any tobacco which is not damaged, but which is likely to damage on account of excessive moisture if treated in the customary manner or unless unusual precaution is taken.



RULES

The application of these proposed standards shall be in accordance with the following rules:

Rule 1. Each grade shall be treated as a subdivision of a particular type and when the grade is stated in an inspection certificate, the type shall also be stated.

Rule 2. The determination of grade shall be based upon a thorough examination of a lot of tobacco or an official sample of the lot.

Rule 3. In determining the grade of a lot of tobacco, the lot as a whole shall be considered, and minor irregularities which do not affect over one per cent of the tobacco shall be overlooked.

Rule 4. Unsound tobacco shall be treated as a subgrade by placing the special factor letter "U" after or above the grade mark. For example: if a lot of tobacco is unsound but otherwise meets the specifications of C2M, it shall be graded C2M-U.

Rule 5. Any lot of tobacco shall be regarded as meeting the specifications of a certain grade when the tobacco is not lower in any degree of quality than that stated in the specifications of such grade. The degree of uniformity specified for a particular grade governs the percentage of a lot which must meet the specifications with respect to other degrees of quality.

Rule 6. Any lot of tobacco which clearly and fully meets the specifications of two or more grades shall be placed in the highest one of such grades; but any lot of tobacco which is on the marginal line between two or more grades so that the grade cannot be determined by applying other rules, shall be placed in the lowest grade in question.

Rule 7. The grade assigned to any lot of tobacco shall be a true representation of the tobacco at the time of inspection and certification thereof.

Rule 8. If, at any time, it is found that a lot of tobacco does not comply with the description and specifications of the grade previously assigned, it shall not thereafter be represented as being of such grade.

Rule 9. Any special factor symbol, approved for the purpose by the Agricultural Marketing Administration, may be used after or above a grade mark to show a peculiar side or characteristic of the tobacco.

Rule 10. Length shall be stated in connection with each grade of Reworked and Sized Binders and Strippers of the B and C groups, and may be stated in connection with other grades. For this purpose, U. S. Standard Tobacco Sizes shall be used.



